

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	09/884,424
Filing Date	June 19, 2001
First Named Inventor	Robert Mays
Art Unit	2671
Examiner Name	Unassigned
Attorney Docket Number	MYS-01-08-12

ENCLOSURES (Check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation
- ☐ Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____

- ☐ After Allowance communication to Technology Center (TC)
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please Identify below):
 - Form 1449 - IDS
 - Forty-one (41) References
 - Return Receipt Postcard to Kenneth Brooks

Remarks

RECEIVED

APR 23 2004

Technology Center 2600

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name: Law Office of Kenneth C. Brooks

Signature: *Kenneth C. Brooks*

Date: *4/19/04*

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

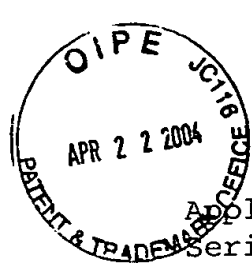
Typed or printed name: Alexis Sheffield

Signature: *Alexis Sheffield*

Date: *April 19, 2004*

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



#^{RS}
5 2671

4-29-04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert Mays

PATENT APPLICATION

Serial No.: 09/884,424

Group Art Unit: 2671

Filing Date: June 19, 2001

Examiner: Unassigned

For: NETWORK SWITCH EMPLOYING FREE-SPACE OPTICAL SWITCHING TECHNOLOGY.

INFORMATION DISCLOSURE STATEMENT

RECEIVED

Commissioner

for Patents

Alexandria, VA 22313-1450

APR 23 2004

Technology Center 2600

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure under 37 C.F.R. §1.56. No item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. §1.56 more than three (3) months prior to the filing of this information disclosure statement. Form PTO-1449 and the requisite copies of each reference recited below accompanies this document. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

ISSUED PATENTS

<u>Patent Number</u>	<u>Inventor</u>	<u>Grant Date</u>
3,610,926	Kastner et al.	10/05/1971
4,296,994	Quick et al.	10/27/1981
4,359,259	Horner et al.	11/16/1982
4,392,709	Horner et al.	07/12/1983
4,807,978	Grinberg et al.	02/28/1989
4,897,541	Phillips	01/30/1990
4,991,150	Wixom	02/05/1991
5,008,890	McFarlane	04/16/1991
5,103,324	Brandstetter	04/07/1992

5,245,623	McFarlane	09/14/1993
5,325,386	Jewell et al.	06/28/1994
5,369,415	Richard et al.	11/29/1994
5,399,315	Paz-Pulalt et al.	03/21/1995
5,411,709	Furuki et al.	05/02/1995
5,442,433	Hoshino et al.	08/15/1995
5,446,334	Gaffney	08/29/1995
5,467,104	Furness, III et al.	11/14/1995
5,596,339	Furness, III et al.	01/21/1997
5,602,679	Dolgoft et al.	02/11/1997
5,622,868	Clarke et al.	04/22/1997
5,659,327	Furness, III et al.	08/19/1997
5,822,091	Baker	10/13/1998
5,857,042	Robertson et al.	01-05-1999
5,886,822	Spitzer	03/23/1999
6,008,781	Furness, III et al.	12/28/1999
6,079,252	Tabler et al.	06/27/2000
6,081,430	La Rue	06/27/2000
6,083,767	Tjaden et al.	07/04/2000
6,284,546	Bryning et al.	09/04/2001
6,304,894	Ford, Joseph Earl	10/16/2001
6,449,066	Arns et al.	09/10/2002
6,452,700	Mays Jr., Robert	09/17/2002
6,486,984	Baney et al.	11/26/2002
6,542,264	Agranat et al.	04/01/2003

Patent Application Publications

<u>Publication Number</u>	<u>Inventor</u>	<u>Pub. Date</u>
US 2002/0191254	Mays, Robert Jr.	12/19/2002
US 2002/0089709	Mays, Robert Jr.	07/11/2002
US 2002/0024702	Mays, Robert Jr.	02/28/2002
US 2002/0167698	Mays, Robert Jr.	11/14/2002

NON-PATENT DOCUMENTS

"United States Frequency Allocations-1996"

<http://www.autoid.org/documents/freqallochrt.pdf>

Stewart, James E. "Optical Principles and Technology For Engineers," Library of Congress Cataloging-in-Publication Data, 1996, pp. 45-81.

Hariharan, P. "Optical Holography: Principles, Techniques, and Applications," Library of Congress Cataloging-in-Publication Data, 1996, pp. 213-123.

CERTIFICATE OF MAILING

Respectfully Submitted,
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in a package addressed to: MAIL STOP PATENT APPLICATION, Commissioner for Patents, Alexandria, VA 22313-1450

Signed: Alexis Sheffield
Typed Name: Alexis Sheffield
Date: April 19, 2004

Respectfully,



Kenneth C. Brooks
Reg. No. 38,393

P.O. Box 81536
Austin, Texas 78708-1536
Telephone: 512-527-0104
Facsimile: 512-527-0107
patentsrus@earthlink.net



Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

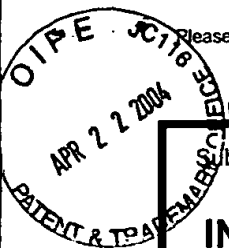
Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/884,424
				Filing Date	June 19, 2001
				First Named Inventor	Robert Mays
				Group Art Unit	2671
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	MYS-01-08-12

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	B1	3,610,926		Kastner et al.	10-05-1971	
	B2	4,296,994		Quick et al.	10-27-1981	
	B3	4,359,259		Homer et al.	11-16-1982	
	B4	4,392,709		Homer et al.	07-12-1983	
	B5	4,807,978		Grinberg et al.	02-28-1989	
	B6	4,897,541		Phillips	01-30-1990	
	B7	4,991,150		Wixom	02-05-1991	
	B8	5,008,890		McFarlane	04-16-1991	
	B9	5,103,324		Brandstetter	04-07-1992	
	B10	5,245,623		McFarlane	09-14-1993	
	B11	5,325,386		Jewell et al.	06-28-1994	
	B12	5,369,415		Richard et al.	11-29-1994	
	B13	5,399,315		Paz-Pujalt et al.	03-21-1995	
	B14	5,411,709		Furuki et al.	05-02-1995	
	B15	5,442,433		Hoshino et al.	08-15-1995	
	B16	5,446,334		Gaffney	08-29-1995	
	B17	5,467,104		Furness, III et al.	11-14-1995	
	B18	5,596,339		Furness, III et al.	01-21-1997	
	B19	5,602,679		Dolgoft et al.	02-11-1997	
	B20	5,622,868		Clarke et al.	04-22-1997	
	B21	5,659,327		Furness III, et al.	08-19-1997	
	B22	5,822,091		Baker	10-13-1998	
	B23	5,857,042		Robertson et al.	01-05-1999	
	B24	5,886,822		Spitzer	03-23-1999	
	B25	6,008,781		Furness, III et al.	12-28-1999	
	B26	6,079,252		Tabler et al.	06-27-2000	
	B27	6,081,430		La Rue	06-27-2000	
	B28	6,083,767		Tjaden et al.	07-04-2000	
	B29	6,284,546		Bryning et al.	09-04-2001	
	B30	6,304,894		Ford, Joseph Earl	10-16-2001	
	B31	6,449,066		Ams et al.	09-10-2002	
	B32	6,452,700		Mays Jr., Robert	09-17-2002	
	B33	6,486,984		Baney et al.	11-26-2002	
	B34	6,542,264		Agranat et al.	04-01-2003	
Examiner Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/884,424
				Filing Date	June 19, 2001
				First Named Inventor	Robert Mays
				Group Art Unit	2671
				Examiner Name	Unassigned
				Attorney Docket Number	MYS-01-08-12
Sheet	2	of	2		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	B35	Mays, Robert Jr. "Computer Backplane Employing Free-Space Optical Interconnect," U.S. Patent Application Publication 2002/0089709. Published on July 11, 2002.	
	B36	Mays, Robert Jr. "Network Routing Employing Free-Space Optical Broadcasting," U.S. Patent Application Publication 2002/0191254. Published on December 19, 2002.	
	B37	"United States Frequency Allocations-1996," http://www.autoid.org/documents/freqallochrt.pdf	
	B38	Mays, Robert Jr. "Filtering Technique For Free Space Interconnects," U.S. Patent Application Publication 2002/0024702. Published on February 28, 2002.	
	B39	Mays, Robert Jr. "Polarized-Holographic Filtering Providing Improved Extinction Ratio. U.S. Patent Application Publication 2002/0167698. Published on November 14, 2002.	
	B40	Stewart, James E. "Optical Principles and Technology For Engineers," Library of Congress Cataloging-in-Publication Data, 1996, pp. 45-81.	
	B41	Hariharan, P. "Optical Holography: Principles, Techniques, and Applications," Library of Congress Cataloging-in-Publication Data, 1996, pp. 213-123.	

RECEIVED

APR 23 2004

Technology Center 2600

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231